STEVE KIM

woosik.kim@mail.utoronto.ca
778 871 1226
Toronto, ON.
github.com/kimwoo11
devpost.com/stevekim98
linkedin.com/in/woosikkim/

EDUCATION

University of Toronto
B.A.Sc. in Engineering Science
Major in Machine Intelligence
September 2016 - April 2021 (Expected)

TECHNICAL SKILL

Software: Python, C, Bash, JavaScript, HTML, CSS, Java
Tools: PyTorch, OpenCV, Numpy, pandas, Git, Linux

WORK EXPERIENCE

You're Next Career Network (YNCN) Junior Full Stack Developer | April 2018 - Present

Python, PostgreSQL, SQLAlchemy, MongoDB, JavaScript, HTML, CSS

- Developing our website's front/back-end which now has **over thousands of users** and **bounce rates reduced to half** of last year's website, and **doubled** session durations
- Improving future events by creating a platform that the marketing and event organizing teams can use to access and display data analytics from websites such as Facebook, Google, and Eventbrite

The Citizen Lab Software Developer | June 2018 - August 2018

Python, SQLAlchemy, PostgreSQL, JavaScript, HTML, CSS

- Developed a pipeline that stores public network measurement data in a format that researchers can easily access via an API and or web interface
- Reduced the time it takes to retrieve/store data by approximately **200%** and provided access to measurements up to **48 hours ahead** of an existing API used by the researchers
- Implemented a filtering and searching functionality to provide researchers with meaningful data which fit the specific needs of their study

PROJECTS

SentinelAI Python, JavaScript, React Native, C

- Constructed a smart home security system that uses machine learning algorithms to accurately authenticate users through voice commands using Amazon Alexa
- Implemented a **K-Means algorithm** in parallel with a **convolutional neural network** with 2D and 3D data/inputs using a Walabot Sensor and a web camera for a **near 100%** success rate
- **Winner of Hack the North 2018** and awarded the **RBC Best Creative Idea API Prize**

StockBot Python

- Used machine learning and predictive modelling to create a script that optimally trades stocks in a simulated stock market
- Acquired a **10% return** on investments during the competition compared to the average 5% ROI
- **Won 4th** place out of 12 teams at the **Ontario Engineering Competition** (OEC 2018)

LEADERSHIP EXPERIENCE

- **Korean Engineering Student Association** Academic Director | Toronto, ON. May 2018 - Present
- **Worth a Million** Co-Founder | Toronto, ON. July 2017 - December 2017
- **Professional Outreach (PrO)** First Year Representative | Toronto, ON. September 2016 - April 2017